

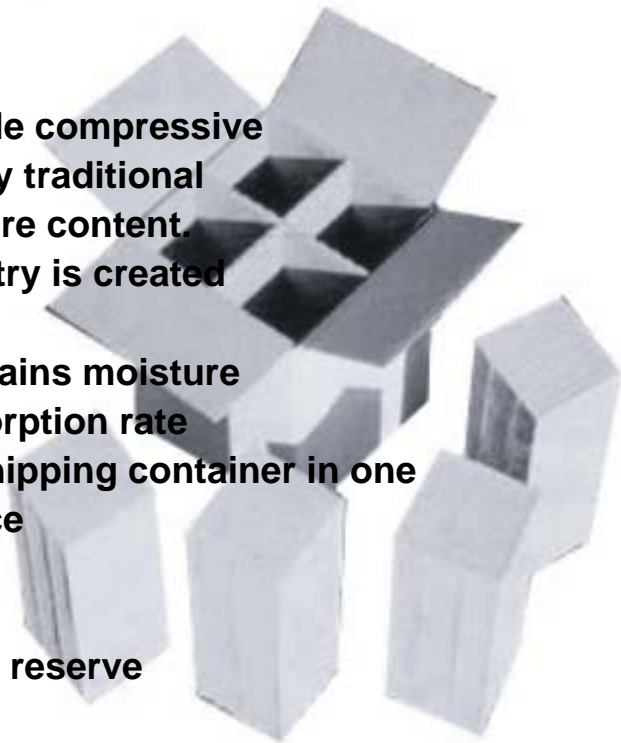


Deslauriers

GROUT SAMPLE BOX

The Deslauriers Grout Sample Box is specifically designed for use in casting 3.125" X 3.125" X 6.250" prisms of masonry grout for verification of compressive strength

- **Proven by tests to yield comparable compressive strength values to samples cast by traditional method regardless of CMU moisture content.**
- **Consistent, identical prism geometry is created with every set of samples**
- **Engineered slotted corrugation retains moisture while closely simulating CMU absorption rate**
- **Performs as mold and transport/shipping container in one**
- **Saves money, time, labor and space**
- **Assembles easily**
- **Ships and stores flat**
- **Yields an additional specimen as a reserve**



Routinely used by hundreds of testing laboratories

PATENT #5,942,192

Over 2,000,000 samples have been cast using the GSB



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GROUT SAMPLE BOX

The Deslauriers' Grout Sample Box is specifically designed for use in casting 3.125" X 3.125" X 6.250" prisms of masonry grout for verification of compressive strength and is intended to replace or supplement the "pinwheel" method of forming test specimens described in ASTM C1019.

The Deslauriers Grout Sample Box (GSB) is now permitted (with approval of the specifier As an alternate forming method in ASTM C1019-08a, Section 6.2, and is discussed in Note 7.

Guidance for performing comparative tests and establishing a conversion factor is contained in Section 11.3, and is discussed in Note 11.

Reporting requirements for alternate forming methods are detailed in Sections 12.3 through 12.3.4.

The GSB is intended for use with lightweight and normal weight CMU. For heavyweight CMU and brick refer to the standard "pinwheel" forming method described in ASTM C1019.

The GSB incorporates a unique and patented slotted insert that closely matches the absorption and "wicking" action of typical concrete masonry units.

Independent test data:

Absorption of normal weight block = 1.40%

Absorption of GSB insert and liner = 1.38%



Test Comparisons: Over **2,000,000** samples have been cast using the GSB
Independent third party comparative tests have been performed by:

**Southwest Inspection and Testing
Cascade Testing Laboratory
Ninyo & Moore
Terracon Consultants**

**Robert L Nelson & Associates
Universal Laboratories
BTL Engineering Services**

Summary of comparative test data:

(Slumps ranging from 6" to 10 1/2"; strengths ranging from 3,000 to 6,500 psi.)

Description	Average 28 day PSI		Correction Coefficient (Pinwheel GSB)
	Pinwheel	GSB	
Lightweight Block	6200	6320	0.98
Standard Block	6010	6070	0.99
Unspecified Block	3470	3410	1.02
Unspecified Block	3480	3440	1.01

Conclusion: Comparative tests demonstrate no statistically significant difference in test results obtained from samples cast using the GSB and those cast using the traditional pinwheel method.



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TRADITIONAL METHOD

Traditional method disadvantages:

The traditional "pinwheel" method of forming prism samples requires the use of at least twelve (12) concrete masonry units to produce three test specimens, a large flat area to accommodate the molding process, 3.5" X 3.5" X 1" spacers, filter paper, and materials to protect the samples in the field during the first twenty-four hours.

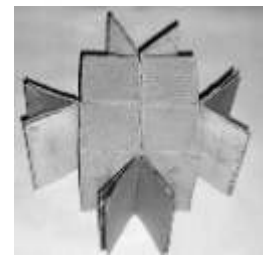


GSB METHOD

Advantages:

The GSB requires none of the above, yields specimens of consistent geometry, and provides an additional fourth specimen to be used as a reserve if needed.

The GSB is in general use and has become the preferred method of forming grout prism specimens for specifiers, ready-mix producers, masonry contractors and testing laboratories.



CONSISTENT RESULTS



Deslauriers

GROUT SAMPLE BOX FIXTURE

NEW & IMPROVED



- Fixture simplifies the assembly of the grout sample box and assists in maintaining the squareness and consistency of the unit.
- Provides support of grout sample box sidewall while allowing any excess free moisture to escape
- Provides consistent prism sizes
- Adapts to field use
- Durable steel construction

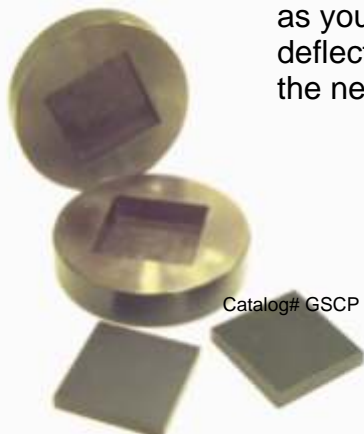
CATALOG PART #GSB-F

Grout Sample Unbonded Capping System

Grout Sample Unbonded Capping System For Compression Testing of Grout Specimens.

Catalog# GSRC

Retaining Cup is machined from high alloy steel to the same tolerances as your platens. The steel has minimal temperature variation and no deflection under load. The high alloy steel resists scratches, eliminating the need for additional machining.



Catalog# GSCP

The Compression Pad, made of tough elastomeric material, flows into irregularities and distributes the test load uniformly without creating air pockets to insure consistent breaks.

When used in conjunction with Deslauriers' Grout Sample Box, Deslauriers' Unbonded Capping System provides tremendous labor savings, along with accuracy and consistency.

Patent #6,832,524